



VISION ZERO

ZERO TRAFFIC DEATHS IN MoCo

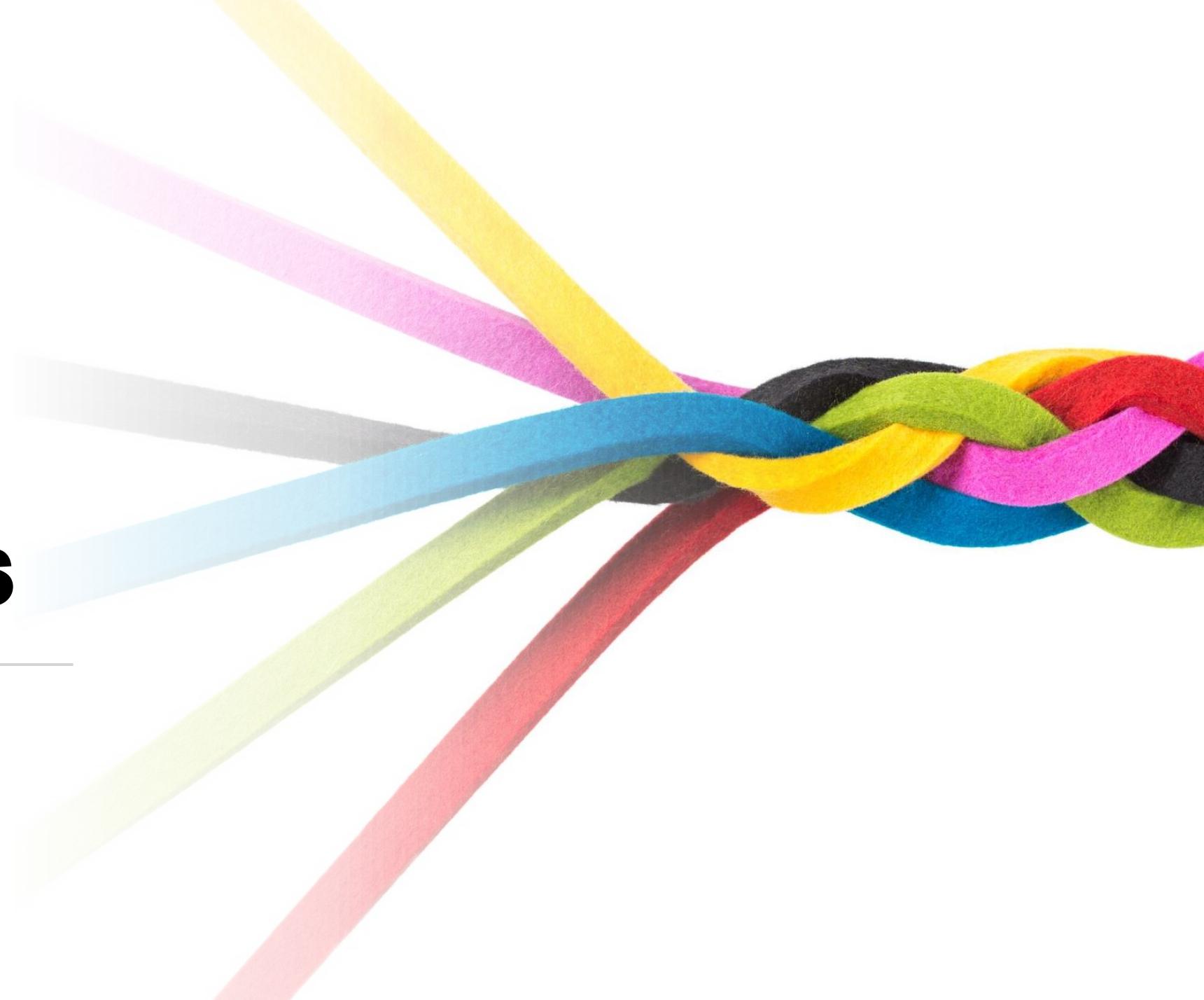
VISION ZERO UPDATE

Silver Spring Citizen's Advisory Board – January 9, 2023



ALIGNING SAFETY STRATEGIES

Interplay with local, state, and federal efforts



What is Vision Zero?

Building Layers of Safety to Prevent Serious and Fatal Injuries on Our Roadways

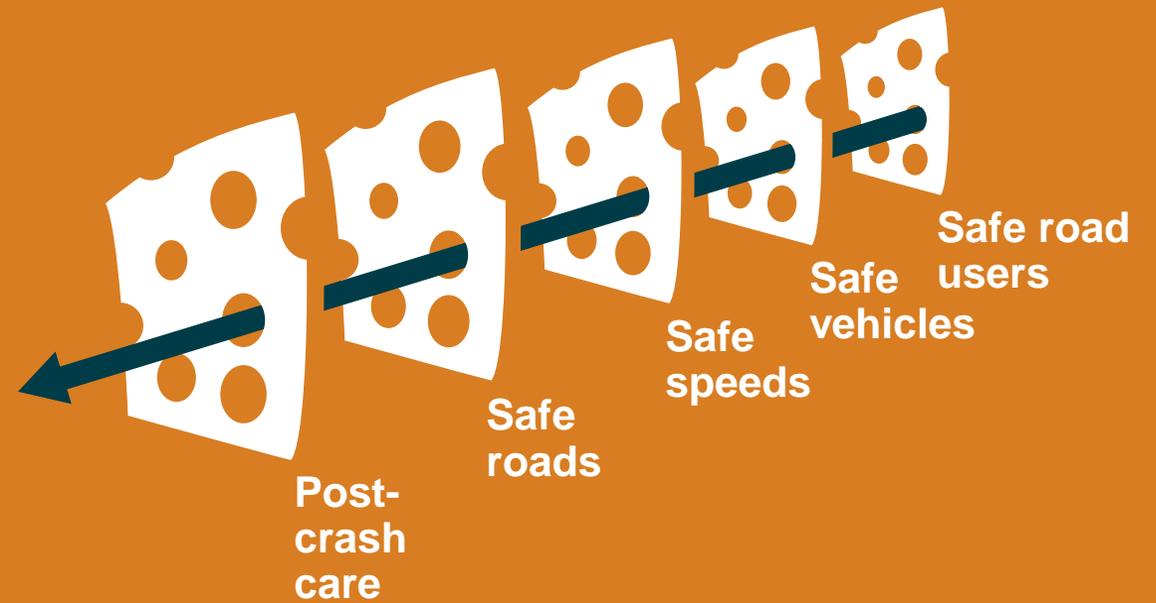


Layers of Systematic Safety

The 5 Safe System Elements Create Redundancy

The “Swiss Cheese Model” of redundancy creates layers of protection

Death and serious injuries only happen when all layers fail



INTERGOVERNMENTAL COORDINATION ON VISION ZERO

Different Names and Interim Targets, Same End Goal



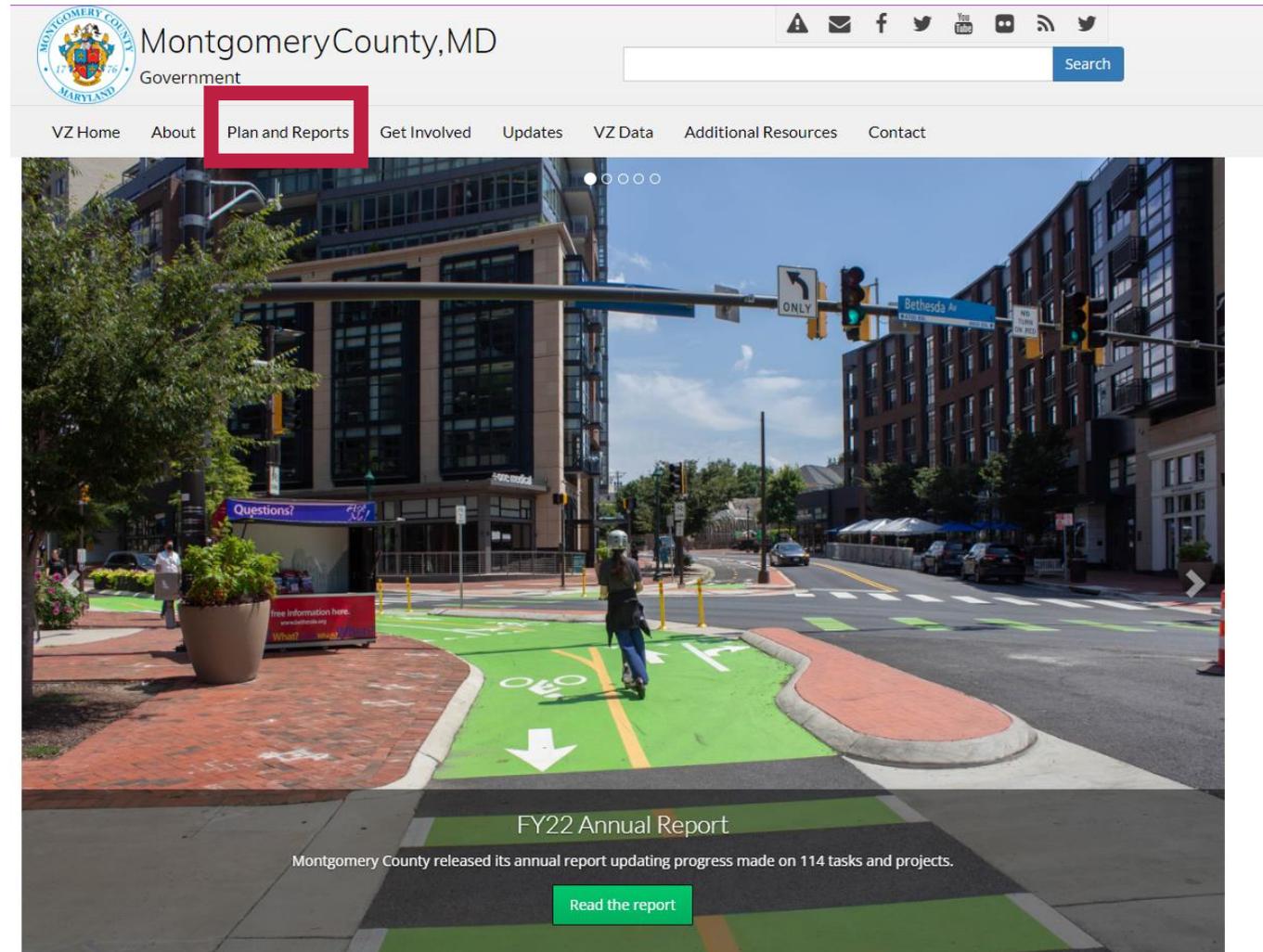
ACTION PLAN & WORK PLAN

How the long-term and short-term plans relate

2030 Plan	Vision Zero						
Plan Pillars	Complete Streets		Multimodal Future			Culture of Safety	
Safe System Alignment	Safe Streets	Safe Speeds	Safe Transportation	Safe & Sustainable Communities	Safe Vehicles	Safe People	Safe Post-Crash Emergency Response and Care
Actions	17 Actions	3 Actions	10 Actions	1 Action	2 Actions	10 Actions	2 Actions
FY23 Work Plan	53 Tasks	3 Tasks	18 Tasks	2 Tasks	2 Tasks	17 Tasks	2 Tasks

FY22-23 Work Plan

Where can I find the full text of the current two-year work plan?





Crash Data

Preliminary 2022 Crash Trends



Increased Fatality Rates Since COVID-19

← NEWS

2020 Fatality Data Show Increased Traffic Fatalities During Pandemic

Risky Driving Behaviors Including Failure to Wear a Seatbelt, Speeding, and Drinking While Driving Identified as Contributing Factors

Map: Pedestrian fatalities in the U.S. reach four-decade high. See which states had the most.

More than 7,000 people were killed nationwide in 2021.

← NEWS

Newly Released Estimates Show Traffic Fatalities Reached a 16-Year High in 2021

HEALTH

'Tragic': Driving Was Down In 2020, But Traffic Fatality Rates Surged

March 5, 2021 · 3:30 PM ET

 CAMILA DOMONOSKE

Killed while walking: Pedestrian death rate surged during pandemic

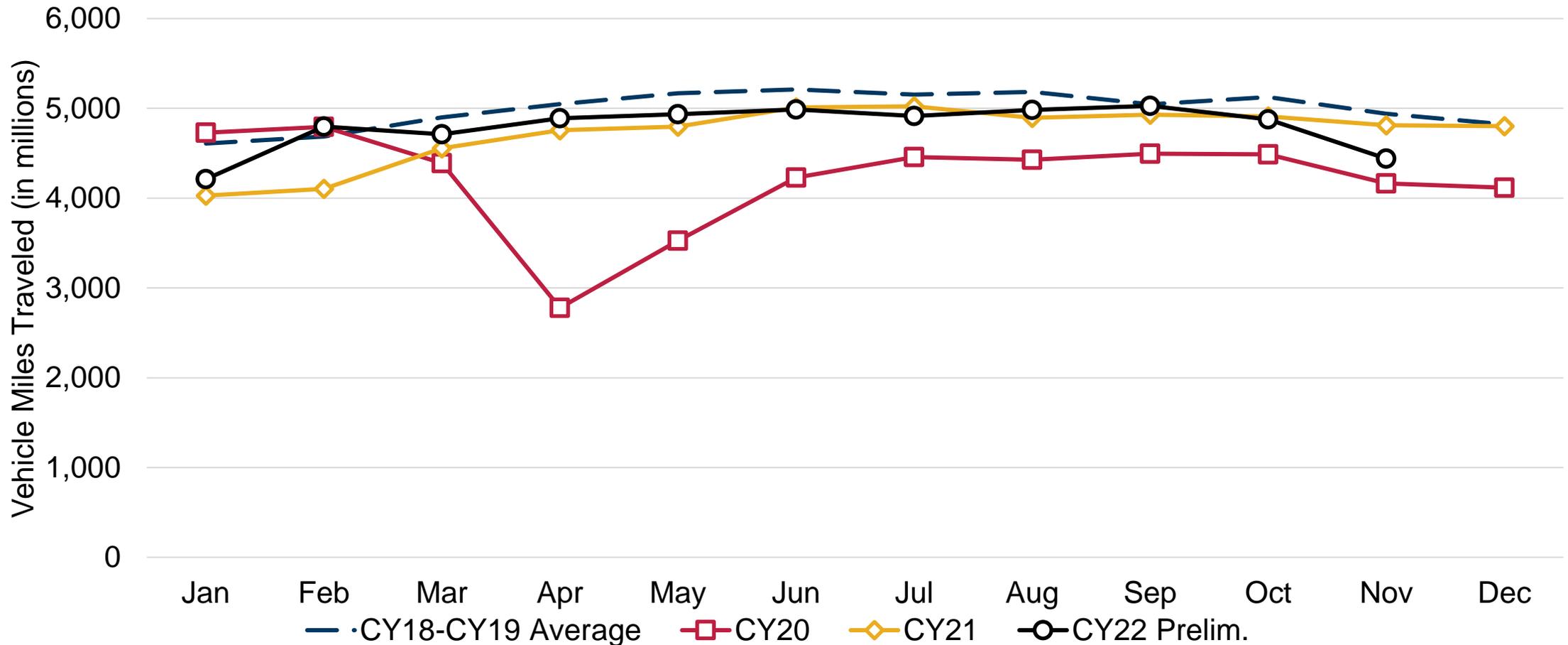
Neal Augenstein | naugenstein@wtop.com
May 20, 2021, 8:15 AM

U.S. traffic deaths hit 20-year high in early 2022

"The overall numbers are still moving in the wrong direction. Now is the time for all states to double down on traffic safety," said Steven Cliff, administrator of the National Highway Traffic Safety Administration.

Maryland Traffic Volume

2022 traffic volume through November up 2% compared to 2021 and down 4% from 2019 across Maryland.



NOTE: This chart displays estimated monthly Vehicle Miles of Travel compared with the previous year based on data collected at approximately 51 continuous count stations throughout the State of Maryland. 10

Note on the Data Presented

Roadway Exclusions

The County Government receives crash data from the Maryland State Police (MSP) for the following local police agencies operating in Montgomery County:

- Montgomery County Police (MCPD)
- Rockville City Police Department (RCPD)
- Gaithersburg Police Department (GPD)
- Maryland-National Capital Park Police, Montgomery County (M-NCPPC Police)
- Takoma Park Police (TPPD)

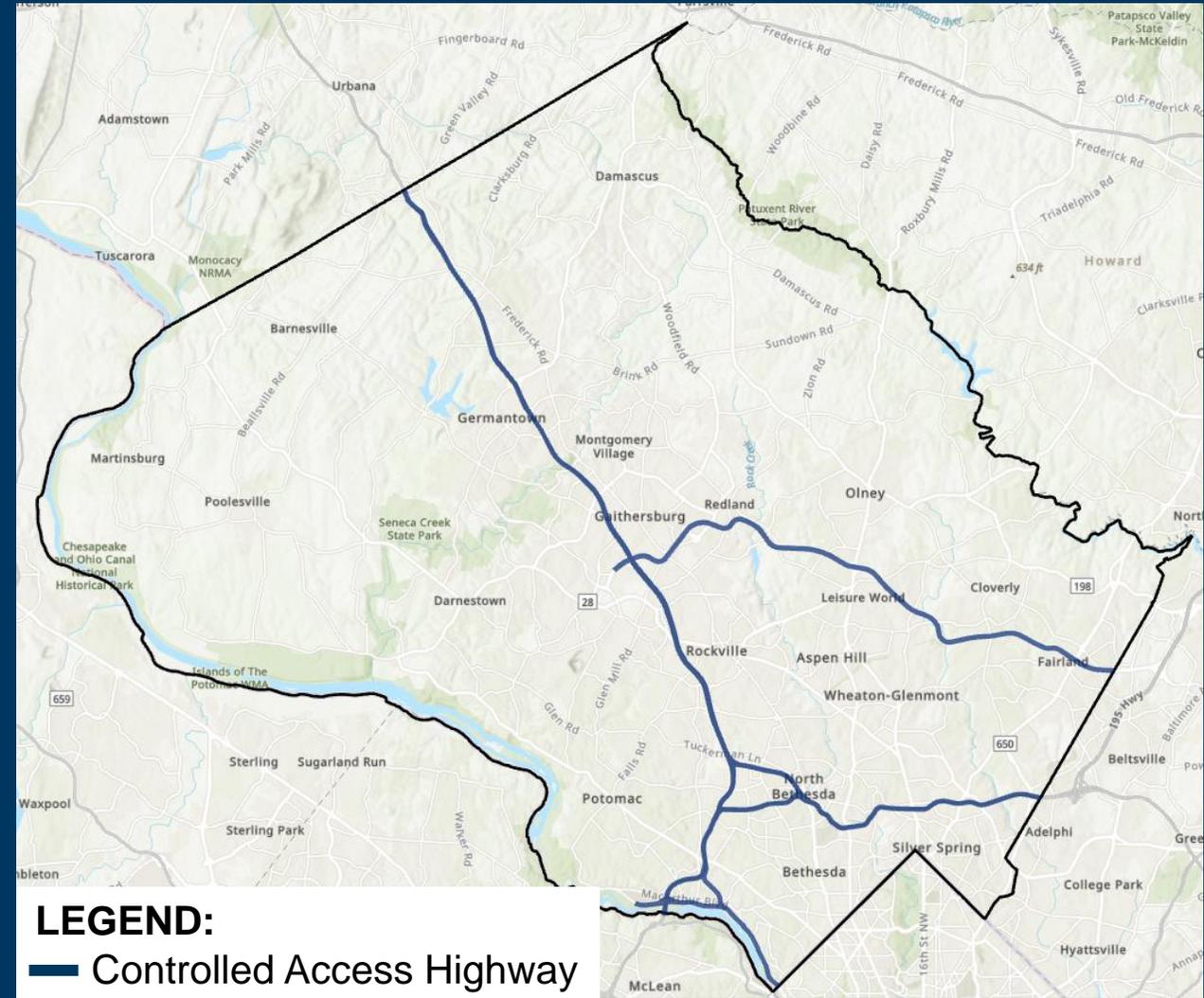
The County Government does not receive data from the following state and federal agencies:

- Maryland State Police (MSP)
- Maryland Transit Authority Police (MTAPD)
- National Park Service Police (NPS PD)

Therefore, the following roadways are excluded from County Government reporting.

- Interstates (I-270, I-370, I-495)
- Intercounty Connector (MD-200)
- National Park Service roads (Clara Barton Parkway and minor access roads)

For final reports covering all roadways, see reporting from the Maryland Department of Transportation – Highway Safety Office at:
<https://zerodeathsmd.gov/resources/crashdata/>

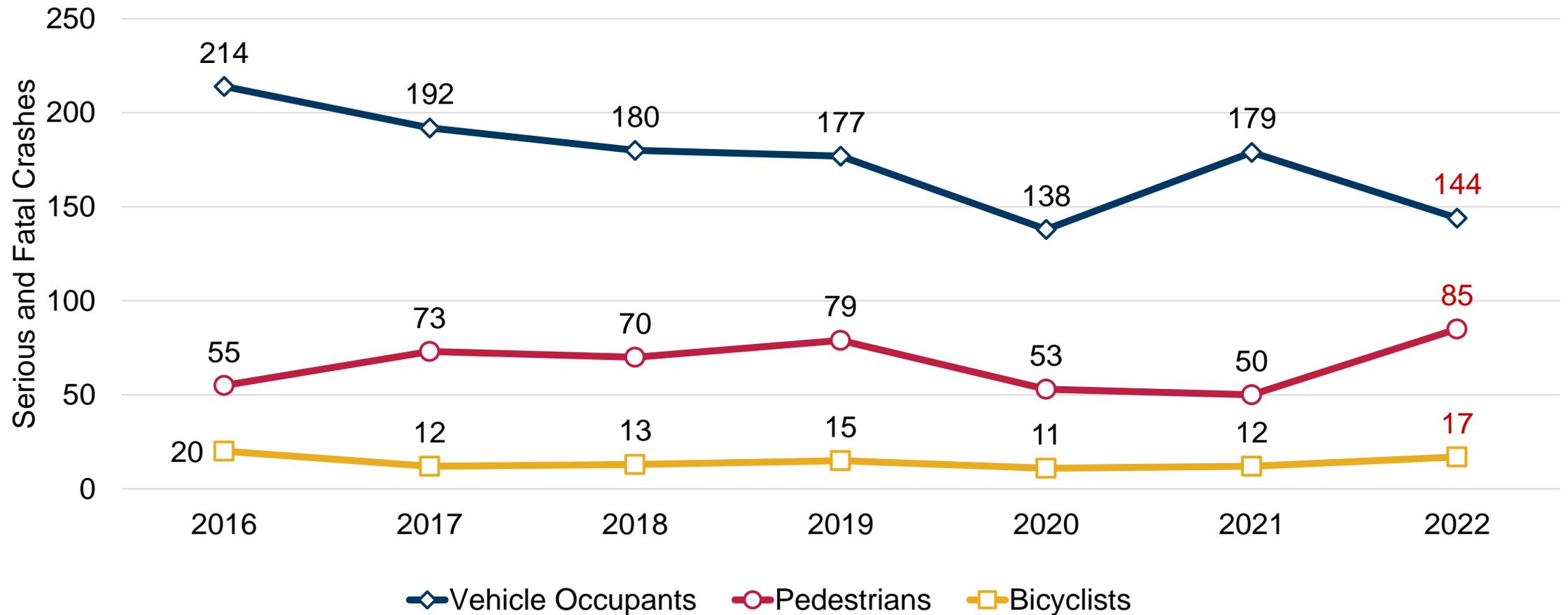


2022 Preliminary Crash Trends

- Increase in fatal crashes mirrors increases across the US.
 - [NHTSA estimated 20,175 traffic deaths](#) in first half of 2022, the highest number of fatalities during the first half of the year since 2006.
- 3 percentage point increase in hit-and-run crashes as percentage of annual total, particularly for pedestrians struck (up 4 percentage points).
 - Hit-and-runs up from 18% of all crashes in 2019 to 21% in 2022.
 - Hit-and-runs with pedestrian struck up from 18% in 2019 to 22% in 2022.
- More angle (T-bone) crashes as percentage of annual total.
 - For crashes with driver or passenger injuries, angle (T-bone) crashes have gone from 26% in 2016-2019 to 29% in 2022. Angle and head-on crashes can lead to more serious injuries compared to rear end crashes.

Serious and Fatal Crashes

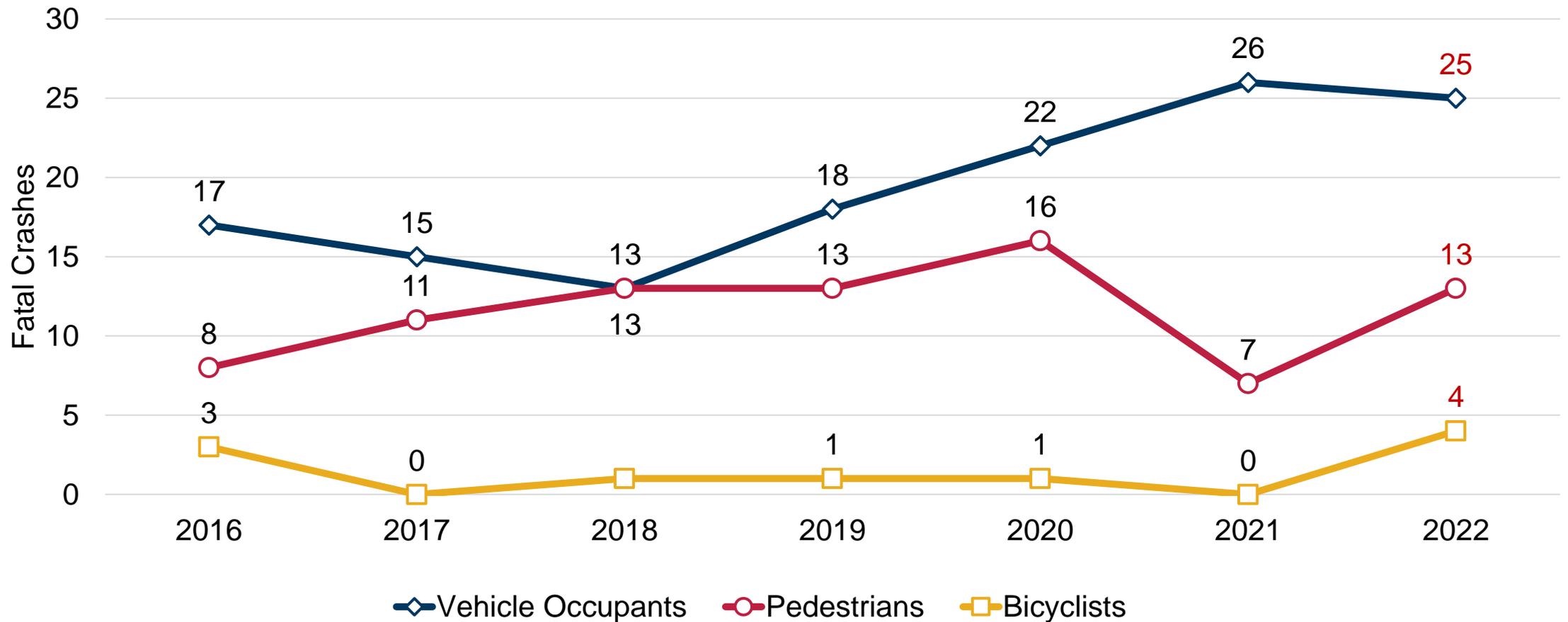
Serious and fatal crashes increasing for pedestrians and cyclists coming out of the COVID-19 slowdown. Serious crashes for motorists down from 2021.



Source: MCPD. Includes MCPD, RPD, TPPD, GPD, and M-NCPPC MC reports. Data retrieved 01/09/23. Includes crashes where at least one party suffered serious or fatal injuries. **2022 data are preliminary.**

Fatal Crashes

40% of fatal crashes involve a pedestrian or cyclist



Source: MCPD Collision Reconstruction Unit. Data retrieved 01/09/22.

Includes crashes where at least one party suffered fatal injuries. 2022 data are preliminary.

What's happening and what can be done?

During and Post-COVID

- Increase in “triple-threat” fatal crashes involving speeding, impairment, and unrestrained occupants ejected from the vehicle.
- Increase in proportion killed or seriously injured testing positive for opioids and marijuana for all road users.
- Increase in impromptu and planned speed contests.
- Lower traffic volumes and spread out through the day more than pre-COVID.
- Difficult to forecast based on changing workplace policies in near and long-term.

Addressing Increasing Fatal Crashes

- Continued focus on the High Injury Network using evidence-based safety treatments.
- Addressing substance abuse and preparing for possible legalization of recreational marijuana use.
- Focused law enforcement on known dangerous driving behaviors integrated with automated enforcement.
- National effort to address increasing distractions from vehicle “infotainment systems” and vehicle design.



Implementing Vision Zero

Project
Highlights



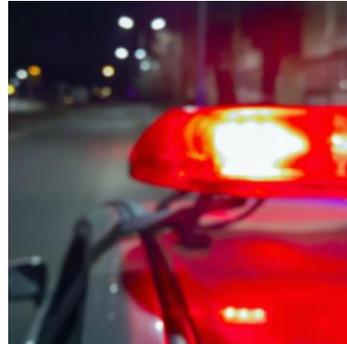
RECENT HIGHLIGHTS



New Beacons & Signals

43 new beacons and signals installed since Vision Zero action plan in late 2017. Most recent pedestrian hybrid beacon outside Westfield Montgomery along Westlake Drive.

24+ scheduled for installation.



Holiday Task Force

Multi-agency enforcement and education initiative in November-January to curb impaired driving during the holidays.



Safe Walking Routes

Nearly 6 miles of new sidewalk installed in FY22.



Bikeway Construction

Bethesda Loop Projects
Old Georgetown Rd
Emory Lane/ Muncaster Mill
White Flint West
Planning Place
MD 355 Grosvenor Shared Use Path

Which device to choose?



Flashing Beacon

Flashing yellow light or lights.
Can be always flashing or
pedestrian activated.



Rectangular Rapid Flashing Beacon

Two yellow lights flash and
alternate to indicate pedestrian
crossing.
Pedestrians activate the
beacon.



Pedestrian Hybrid Beacon

Similar to traffic signal with red
and yellow lights, but goes
dark when inactive and has
two red lights.
Pedestrians activate the
beacon.

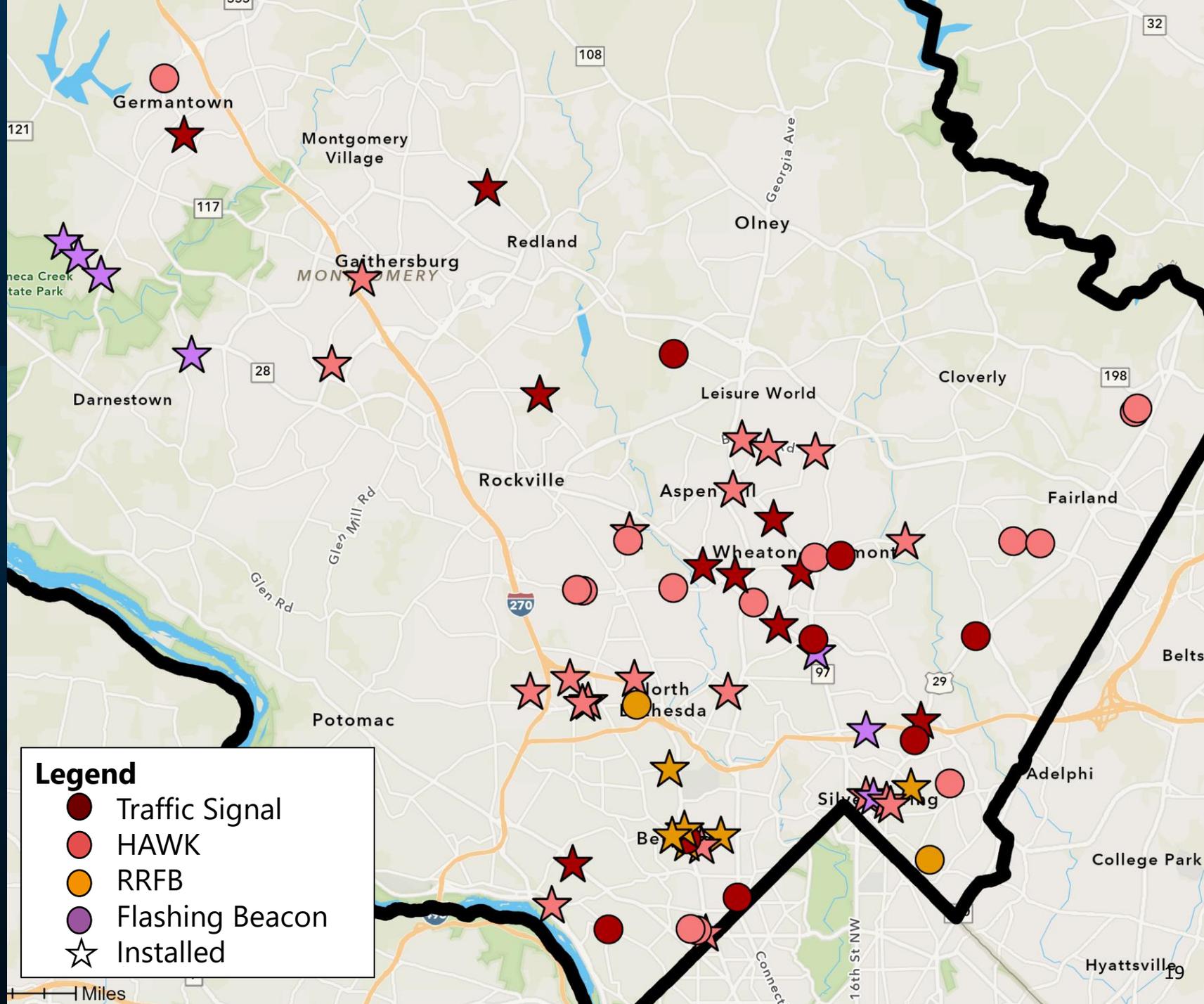


Traffic Signal

Full red, yellow, green.
Set for pedestrians to get walk
signal every cycle inside
central business districts.

Over 40 new installations since Vision Zero started

NEW SIGNAL AND BEACON INSTALLATIONS





Outreach for Ped. Hybrid Beacons

PHBs for People Walking

- PHB's function similarly for pedestrians and motor vehicles as a traffic signal functions with yellow and red lights.
- Pedestrians must activate the beacon by pressing the button, then waiting for the walk signal (less than 30 seconds).
- All PHBs have accessible pedestrian signals (APS) and countdown pedestrian signals (CPS).

PHBs for People Driving

- Same rules of the road – yellow means “Exercise Caution” and “Prepare to Stop” and red means “Stop”.
- Nuance is the beacon goes dark, which allows drivers to proceed at speed.
- Continued media and on-street outreach is progressing to build awareness of these new devices.

Trail Crossing Improvements

Changes to trail crossings can include upgrading the crosswalks to high visibility, realigning crosswalks, sightline adjustments, improved signage, and new beacons.



Cabin John at Tuckerman Lane



Sligo Creek at Dennis Avenue

Projects in Downtown Silver Spring

Currently Under Design or Construction

Design

- [Fenton Street](#) from Cameron Street to King Street
- Fenton Street and MD 410 Intersection
- [Metropolitan Branch Trail](#)
- [Georgia Ave bus lane](#) pilot

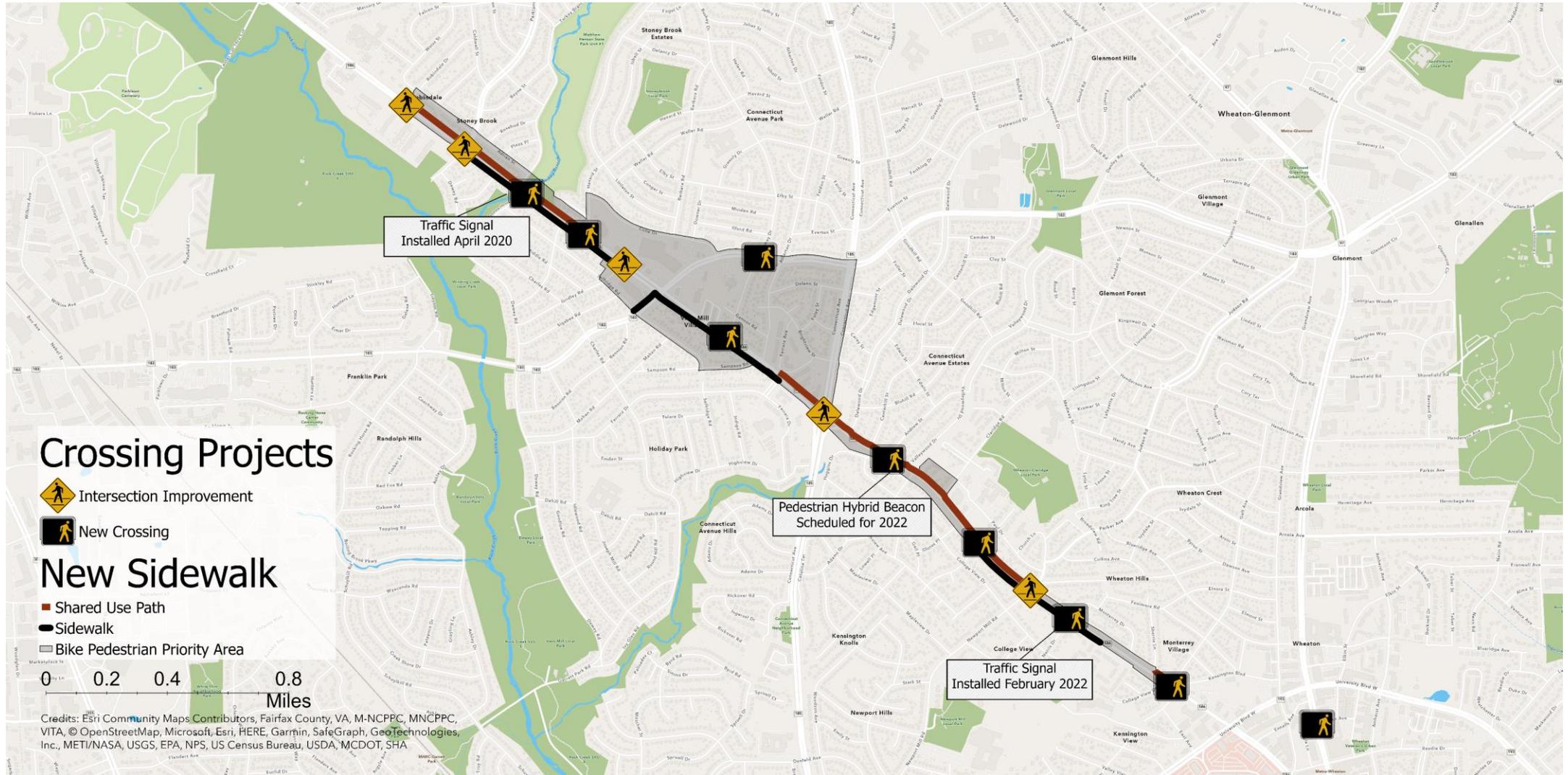
Construction

- [Cameron Street to Planning Place](#) (finished)
- [Grove St](#) from Bonifant Street to Sligo Avenue
- [Rock Creek Forest](#) community sidewalks (finished)
- [Forston Street](#) sidewalks (finished)



Veirs Mill Road Safety Projects

Implementing in conjunction with Bus Rapid Transit Project





Education and Outreach Events

Recent Events and Upcoming Schedule



Holiday Alcohol Task Force

Promoting Safe Rides Home

- Over 290 DUI arrests for eight-week task force.
- Over 900 people utilized [SoberRide](#) in DC area for New Year's Eve.
- [Outreach to bars and restaurants](#) with free coasters with safety message.
- Continued to update [Safe Ride Home page](#) to provide one stop shop for finding sober ride options in Montgomery County.



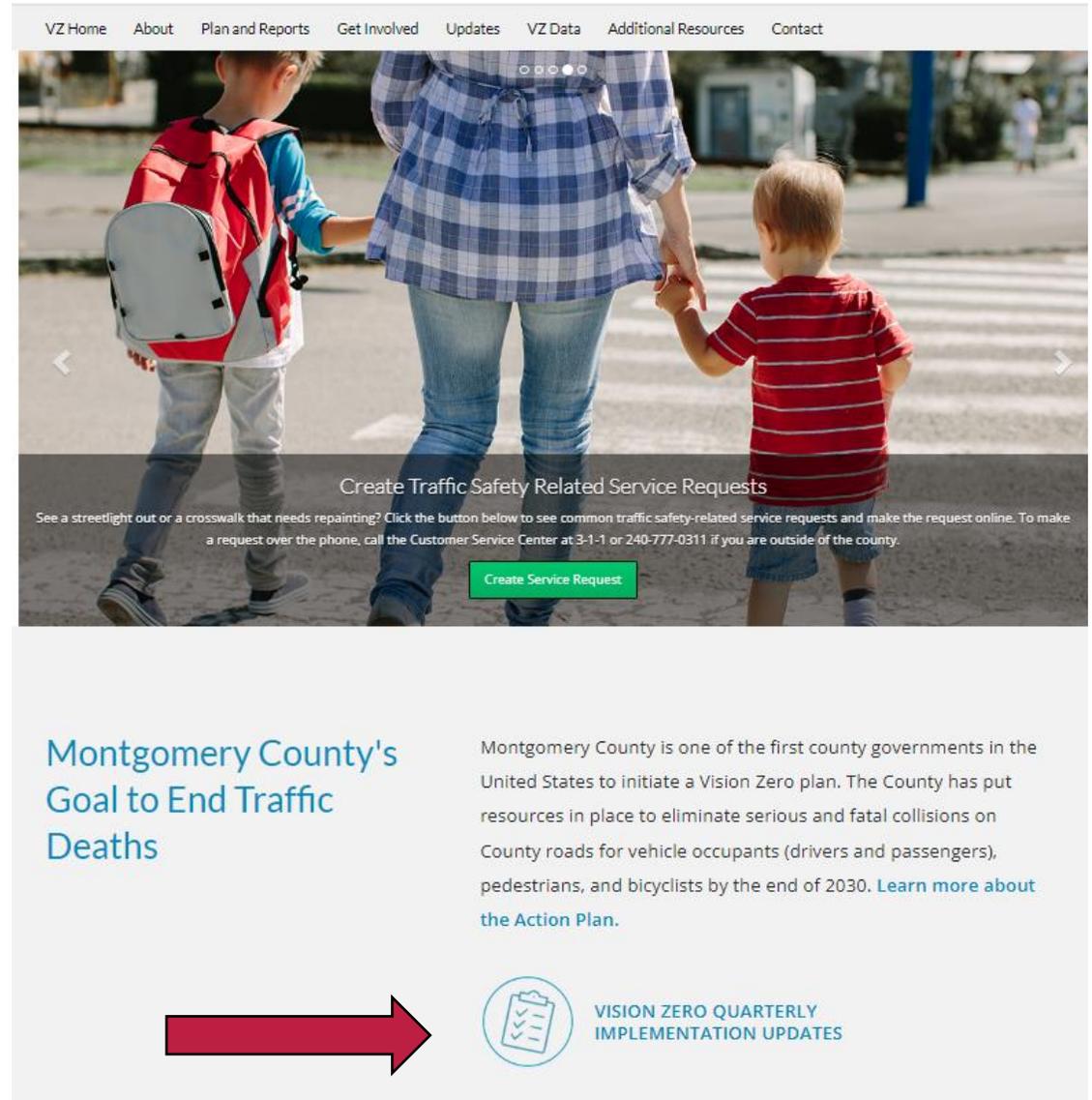


Vision Zero Youth Ambassadors

BIKE RODEOS



Latest Updates on Vision Zero Website



VZ Home About Plan and Reports Get Involved Updates VZ Data Additional Resources Contact

Create Traffic Safety Related Service Requests

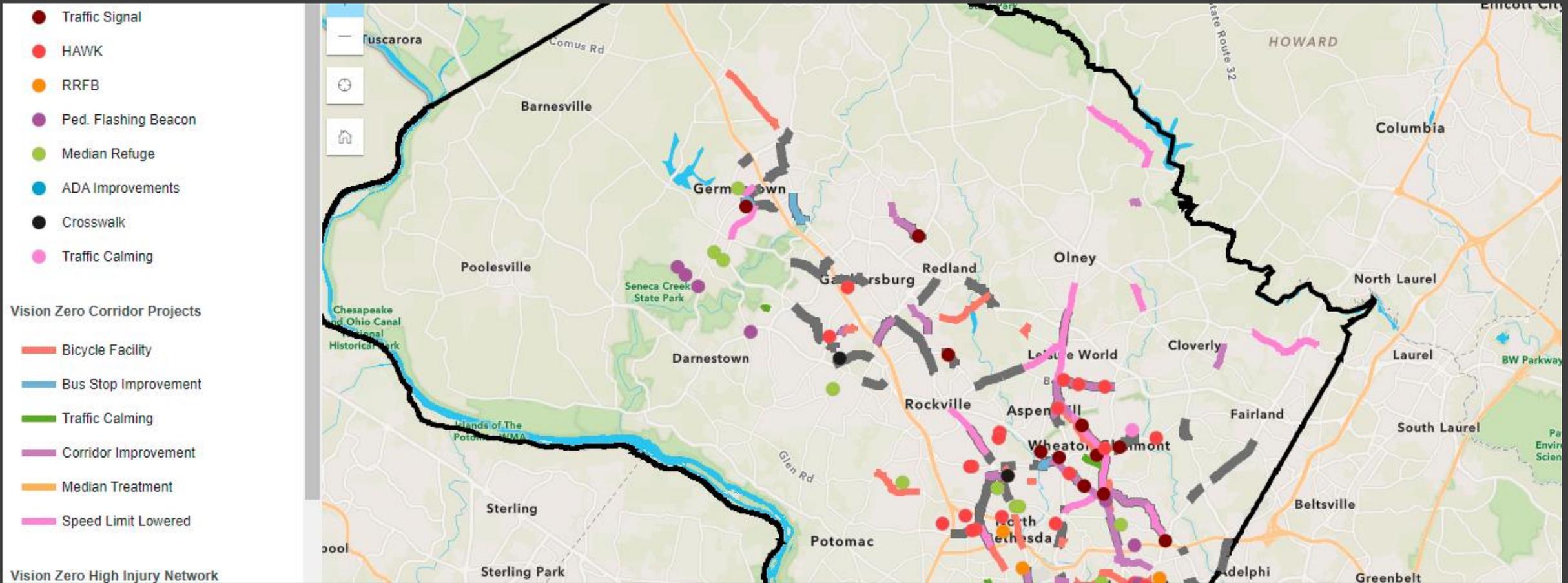
See a streetlight out or a crosswalk that needs repainting? Click the button below to see common traffic safety-related service requests and make the request online. To make a request over the phone, call the Customer Service Center at 3-1-1 or 240-777-0311 if you are outside of the county.

Create Service Request

Montgomery County's Goal to End Traffic Deaths

Montgomery County is one of the first county governments in the United States to initiate a Vision Zero plan. The County has put resources in place to eliminate serious and fatal collisions on County roads for vehicle occupants (drivers and passengers), pedestrians, and bicyclists by the end of 2030. [Learn more about the Action Plan.](#)

VISION ZERO QUARTERLY IMPLEMENTATION UPDATES



Project Map

Find the latest details on projects in your neighborhood by checking out the [interactive project map](#), visiting the [MCDOT project page](#), or the [SHA project portal](#).



THANK YOU!

Wade Holland, Vision Zero Coordinator

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